

Title (en)  
Internal combustion engine

Title (de)  
Verbrennungsmotor

Title (fr)  
Moteur à combustion interne

Publication  
**EP 1215376 A3 20030723 (DE)**

Application  
**EP 01129683 A 20011213**

Priority  
US 73882200 A 20001215

Abstract (en)  
[origin: EP1215376A2] Internal combustion engine comprises a cylinder block, a cylinder head, and a control housing cover (20). The control housing cover and the cylinder block form a control housing (74), a pump inlet chamber (58), and a pump outlet chamber (64) which are separate from each other. The pump inlet chamber surrounds the pump outlet chamber so that the pump outlet chamber is separated from the control housing. Preferred Features: The control housing cover has a coolant inlet (54) preferably molded within the control housing cover, a thermostat housing, and a chamber (68) to which hot coolant from the cylinder head is fed. A seal (70) is provided between the cylinder head and the control housing lid.

IPC 1-7  
**F23N 5/12**; **F01P 5/10**; **F02F 7/00**

IPC 8 full level  
**F01P 5/10** (2006.01); **F02F 7/00** (2006.01); **F01P 7/16** (2006.01)

CPC (source: EP US)  
**F01P 5/10** (2013.01 - EP US); **F02F 7/0065** (2013.01 - EP US); **F02F 7/007** (2013.01 - EP US); **F02F 7/0073** (2013.01 - EP US); **F01P 7/16** (2013.01 - EP US); **F01P 2070/00** (2013.01 - EP US)

Citation (search report)

- [A] US 4777912 A 19881018 - FISCHER ADOLF [DE], et al
- [A] US 4448159 A 19840515 - HIDAKA YOSHIKI [JP], et al
- [A] PATENT ABSTRACTS OF JAPAN vol. 2000, no. 07 29 September 2000 (2000-09-29)

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DE102004062526B4; CN108930606A; CN109209599A; FR2983240A1; EP1849973A1; FR2903150A1; EP1876347A1; DE102014212550B4

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DOCDB simple family (application)  
**EP 01129683 A 20011213**; AT 01129683 T 20011213; BR 0106138 A 20011214; CA 2364775 A 20011211; DE 50112593 T 20011213; MX PA01012828 A 20011213; US 73882200 A 20001215